

Service Type CV2872

GENERAL

The BW153 is a water cooled transmitting triode. It is a maintenance type and therefore only abridged data are given on this sheet. **Full information is available on request.**

Filament	..	..	..	..	..	..	..	..	..	Tungsten
Filament Voltage (<i>See Note</i>)	..	..	..	..	..	..	..	19		V
Filament Current	..	..	..	..	..	..	..	100		A
Filament Starting Current (Peak)	..	..	..	..	..	..	..	150		A Max
Filament Cold Resistance	..	..	..	..	..	..	..	0.017		Ω
Peak Usable Cathode Current	..	..	..	..	..	..	..	..		<i>See Note</i>
Amplification Factor ($V_a = 9.0\text{kV}$, $I_a = 1.0\text{A}$)	..	..	..	..	..	..	..	45		
Mutual Conductance ($V_a = 10\text{kV}$, $I_a = 1.5\text{A}$)	..	..	..	..	..	..	..	10		mA/V
Filament Leads	..	..	..	..	..	..	..	MA135 or MA135A		

MAXIMUM RATINGS

Anode Dissipation	..	..	..	..	..	..	..	18		kW Max
Grid Dissipation	..	..	..	..	..	..	..	1.0		kW Max

Maximum Anode Voltage against Frequency		
Frequency Mc/s	Max Anode Voltage C.W.	Max Anode Voltage with Anode Modulation
20	15 kV	12 kV
25	11.3kV	9.0kV
30	7.5kV	6.0kV
40	5.25kV	4.2kV

NOTE

'Marked volts.' Each valve is marked with the filament voltage required to give 12A peak emission at 90% saturation. Longer filament life may be obtained if the filament is run at reduced temperature and a correspondingly reduced anode current but care must be taken to keep the anode dissipation within the maximum rating.

ENGLISH ELECTRIC VALVE CO. LTD.

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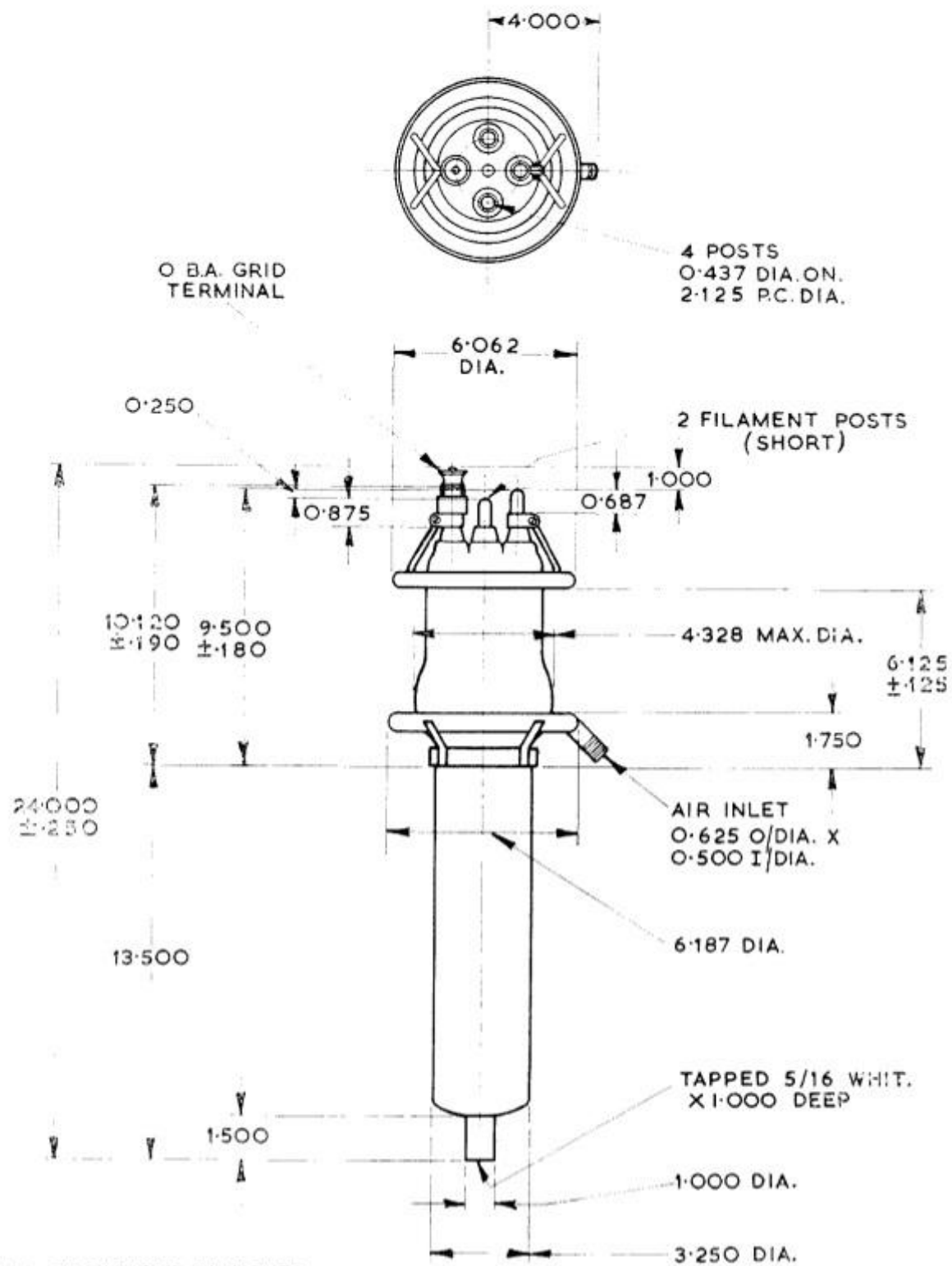
**R.F. POWER
TRIODE**

BW153



OUTLINE

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